

Title (en)
DERRICK CRANE FOR DREDGECRAFT

Publication
EP 0169616 B1 19880928 (EN)

Application
EP 85201196 A 19850715

Priority
NL 8402240 A 19840715

Abstract (en)
[origin: EP0169616A1] The invention relates to a derrick-crane for a dredging vessel, having a compact operating mechanism and a hydraulic system integral with the derrick-crane and which is completely independent of the hydraulic system of the vessel on which the derrick-crane has been installed. According to the invention therefore there is provided on the one hand a hydraulic cylinder (15) which is completely accommodated within the body of the derrick-crane in its rest position and on the other hand is provided with a hydraulic-medium supply tank (34) and a pump (35) which is affixed between the supporting feet (11, 11a) and driven by an electric pump-motor (19) which can be connected to vessel's electrical system. In addition hereto, the crane's body carries an hydraulically-operated swell-compensator (22-26) on its rear side and which is also connected to its own hydraulic system and from which the displaceable cable-sheave (26) moves vertically downward to a maximum payout distance (L). The hoisting winch (21) is affixed to the external underside of the derrick-crane.

IPC 1-7
E02F 3/90; B63B 23/10; B66C 23/52; B66C 23/54

IPC 8 full level
B63B 23/10 (2006.01); **E02F 3/90** (2006.01)

CPC (source: EP)
B63B 23/10 (2013.01); **E02F 3/905** (2013.01)

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0169616 A1 19860129; **EP 0169616 B1 19880928**; DE 3565294 D1 19881103; DE 8434738 U1 19850314; NL 8402240 A 19860203

DOCDB simple family (application)
EP 85201196 A 19850715; DE 3565294 T 19850715; DE 8434738 U 19841127; NL 8402240 A 19840715